AEE/SSD/SBR/11/21, 22 date: 15/07/21

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other works)

No: Second and FINAL BILL
Division: Dasarahalli
Date:
Job code No: 012-18-000001 (P code
Sub Division: Shettyhalli Sub Division
Bill Received No..... Date..... Cash Book Voucher No..... Dated.....
Scheduled Documented No.

Name of work (as per sanctioned estimate):- **Construction of ward office Banganlore one, Library and Helpline, Multipurpose building in Abbigere in Ward No 12 Shettyhalli.**

Name of the Contractor and Full Address: - **M/S Technical Manger (west) KRIDL**
/Reference to work order : EE/DD/WO/370/2019-20

DATE: 01-08-2019

Certified that the measurement were taken by me on 16/07/2020 and recorded of pages 483641-483657.

Of measurement Book No: 4837 And that the work is satisfactorily executed.

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISON
BENGALURU-560 010

Certified that the measurements were taken by me on 16/7/2020 And found correct.
The work is satisfactorily executed.

Office-in-charge of work

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agree upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment **Job code: 012-18-000001**

(Sub Division officer)

1)Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being.....percent Rs.....
3)Deduct amount to be held in Balance
4)Deduct Payments:
a)Amount of Previous payment as in the office Cash book Voucher No..... Dated..... S.D.No.....
Amount adjusted towards cash advance recovery of
b)Payments cost store or other materials supplied
Now made recovery of amount creditable to this/other work
Amount paid on this bill Cheque/Cash.
5)Balance being unpaid value of work done held in reserve
6)Deduct cash advance made on the office cash Book Voucher No.....
Dated..... less adjustements
7)Net amount due to or from contractor
Unadjusted items
8)Advance to contractor for materials brought to site (as detailed) with
Value of Government materials supplied

1st and part Bill → 13705696=00
2nd and Final Bill → 1292207=00
IT → 25844=00
Leve → 12922=00
CBF → 1292=00
SD → 64610=00
IGST → 11538=00
SGST → 11538=00
Net Amount → 1164463=00

1286094
(-) 127744=00
1158280

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISON
BENGALURU-560 010

Contractor's Signature

Received Rs..... (in words)
.....
by cash and by adjustment of Payment as per memorandum.
Witnesses:

1286024

Audited and admitted for Rs. 1292207 (For use in the Office)

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISON
BENGALURU-560 010

1158280/ 1164463=00

Signature of Contractor's Agency Cheque for Rs.....
by me by cheque No..... Dated.....
Rs..... Dated.....

Eleven lakh Sixty Four thousand Four Hundred Sixty three Only

by adjustment Rs. 127744=00

Initials of Office making payment

Executive Engineer

Accounts Superintendent Exe Engineer
B.B.M.P. Dasarahalli Division

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Sl. No.	Description of Item	Unit	Previous Measurements			Present Measurements			Total up to date	
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount
1	Earthwork in surface excavation for levelling and loweringthe ground manually (Other than foundation buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposa earth to be levelled including breaking of clods and neatly dressed as per specifications.	Cum	227.50	183.12	41659.80	0.00	183.12	0.00	227.50	41659.80
2	Earth work excavation for foundation of building water sanitary lines and electrical conduits either pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressin the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation wit lead upto 50m after breaking of colds complete as per specifications.	Cum	483.60	484.92	234507.31	0.00	484.92	0.00	483.60	234507.31
3	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, wit approved sand including hand packing, ramming, watering, including cost of all materials and labou with all lead and lift, complete as per specifications, specification.	Cum	33.89	2283.98	77404.08	0.00	2283.98	0.00	33.89	77404.08
4	Providing and injecting chemical emulsion for chemical barrier underand around the column pits, walls trenches,basement excavation, top surface of the plinth filling, junction of wall and floor, along th external perimeter of building, expansion joints, over the top surface of consolidated earth on whic apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates 20% concentration, including cost of chemical, diluting in water to one percent concentration, labou HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor onl shall be measured)	Sqm	526.45	111.24	58562.30	0.00	111.24	0.00	526.45	58562.30
5	Providing and laying in position plain **cement concrete of mix 1:3:6 with OPC** cement @ 220kgs, wit 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, wel compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete a per specifications.	Cum	125.32	5609.52	702985.05	0.00	5609.52	0.00	125.32	702985.05
	Providing and constructing **granite /trap/ baslat size stone masonry in foundation** with cement morta 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in eac course including cost of materials, labour, curing complete as per specifications	Cum	136.96	4853.52	664738.10	0.00	4853.52	0.00	136.96	664738.10
	oviding and constructing **granite /trap/ baslat size stone masonry in basement** with cement mortar , edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in h course including cost of materials, labour, curing complete as per specifications	Cum	46.53	5921.64	275533.91	0.00	5921.64	0.00	46.53	275533.91
	viding ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking ts to depth of 20mm necely lining, including cost of materials, labour, curing complete as per cifications	Sqm	39.78	153.36	6100.66	0.00	153.36	0.00	39.78	6100.66
	viding and laying in position **plain cement concrete of nominal mix 1:2:4** using 20mm and down graded granite metal machine mixed concrete liad in layers not exceeding 15cms thick well pacted in foundation plinth and cills including cost of all materials, labour HOM of machinery, ng complete as per specifications	Cum	21.84	5855.76	127889.80	0.00	5855.76	0.00	21.84	127889.8
	ing avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not eeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto and lift upto 1.5m including cost of all labour complete as per specification	Cum	711.10	217.08	154365.59	0.00	217.08	0.00	711.10	154365

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	Providing and laying in position reinforced cement concrete [illegible]							
	lintels with 20mm and down size graded granite metal coarse aggregates [illegible]							
	@ 0.43cum, with superplasticiser @.1lts confirming to IS9103-1999 Reaffirmed-2008, machine m							
	in however laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for							
11	slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including atta							
	columns, pillars, posts, struts, battresses, string or facing courses, parapets, coping, bed blo							
	anchor blocks, plain window sills, fillets etc., including cost of all materials, labour, HOM of machin							
	curing, complete but excluding cost of reinforcement as per specifications.							
	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement							
	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement							
	lintels, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and f							
	aggregate @ 0.0345cum, with superplasticiser @0.225lts, machine mixed, well compacted for pl							
12	slabs of 7.5 cms, **average thickness**, upto ground floor level, including cost of all materials, labo							
	HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as							
	specifications.							
	Providing and fabricating TMT Steel (cold, Twisted) reinforcement for R.C.C. work includi							
	straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever require							
13	tying with binding wire and anchoring to the adjoining members wherever necessary complete as p							
	design laps and wastage shall not measured and paid) cost of materials. labour. HOM of machine							
	complete as per specifications Fe 550							
	Providing and removing centering shuttering strutting propping etc., and removal of form work fo							
14	**columns**, pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of al							
	materials labour complete as per specification							
	Providing and removing centering shuttering strutting propping etc., and removal of form work fo							
15	sides and soffits of **beams beam hoochings** cantilever girders bressumers and lintels not exceeding 1m in							
	depth including cost of all materials, labour complete as per specification							
	Providing and removing centering shuttering strutting propping etc., for **chejjas**, corbels etc.,							
16	including edges including cost of all materials, labour complete as per specifications							
	Providing and removing centering, shuttering, strutting propping etc., and removal of form work for							
	stairs (excluding landing) except spiral staircase including cost of all materials labour complete as per							
	specification							
	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for							
	at surface such as suspended floors, **roofs**,landing, balconies and likes thickness upto 200mm including							
	nt of materials, labour complete as per specification							
	viding and constructing **pre cast concrete solid blocks** with compressive strength not less than 35							
	qm with cement mortar 1:4 masonry (quoins, jamb,closer blocks) with solid concrete blocks of size							
	200x200cms conforming to I.S: 2185/1965 in superstructure including cost of materials,labour							
	es,scaffolding,curing etc., complete as per superstructure							
		Cum	315.25	6528.60	2058141.15	0.00	6528.60	0.00
		Cum	34.56	475.20	16422.91	0.00	475.20	0.00
		Ton	39.41	77239.44	3044006.33	0.00	77239.44	0.00
		Sqm	315.90	492.48	155574.43	0.00	492.48	0.00
		Sqm	344.73	315.36	108714.05	0.00	315.36	0.00
		Sqm	8.16	348.84	2846.53	0.00	348.84	0.00
		Sqm	28.68	561.60	16106.69	0.00	561.60	0.00
		Sqm	429.37	432.00	185487.84	0.00	432.00	0.00
		Sqm	447.89	1011.96	453246.76	0.00	1011.96	0.00

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20	**Providing and constructing pre cast concrete solid blocks** with compressive strength not less t kg/sqm with cement mortar 1/4 masonry (quoins, jamb,closer blocks) with solid concrete blocks o 40x10x30cms conforming to I.S. 2185/1985 in superstructure including cost of materials, la charges,scaffolding curing etc., complete as per superstructure	Sqm	20.10	875.88	17605.19	0.00	875.88	0.00	20.10	17605.19
21	**Providing Honne wood frames of doors, windows,** clerestory windows, ventilators and other fra wrought, framed of assembled including making plaster grooves (excluding cost of materials, la HOM of machineries complete as per specifications	Cum	0.99	73228.32	72496.04	0.00	73228.32	0.00	0.99	72496.04
22	**Providing and fixing in position fully panelled Honne wood shutters for doors,** styles and rail 40mm, thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing panels of 25mm thick including cost of materials, labour,HOM of machineries completed as specification (excluding cost of fixtures)	Sqm	0.00	5099.76	0.00	13.40	5099.76	68336.78	13.40	68336.78
23	**Providing and fixing in position shutters for doors made out of Honne wood styles** and rails 35mm. Thick with bottom and lock rail 180mm wide top rail and styles 100mm wide as per drawings a panels of 18mm thick is exteriors grade melamine impregnated prelaminations particle board colour one sides including cost of materials, labour, HOM of machineries complete as p specifications.(excluding cost of fixtures)	Sqm	0.00	3722.76	0.00	1.76	3722.76	6552.06	1.76	6552.06
24	**Providing and fixing M.S. grill work for windows and ventilator** weighing 21kg/Sqm using M.S flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to requir pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machine specifications	Kg	1651.35	102.60	169428.51	0.00	102.60	0.00	1651.35	169428.51
25	**Providing and fixing in position anodized alluminium windows and ventilators** as per approve drawings with sliding shutters using double track window frame section of size 122.2x31.75mm wit 1.2mm thick, bottom section weight of 0.695 kg per m, sides and top section of 1.3mm thick weight o 0.659 kg per m and shutter comprising top and bottom section of size 40mmx18mm , 1.25mm thick o 0.417 kg per m shutter outer side 40mmx18mm, 1.25mm thick weight of 0.417 kg per m, shutte interlock section 40mmx 26.7mm , 1.1mm thick, wieght of 0.469 kg per m the shutter mounted on nylon roller with approved quality of fixture such as alluminium tower bolts etc., and providing and fixing 5.5mm thick plain glass of shutter fitted with rubber beading alluminium section anodized 12 to 15 microns including cutting to required length, joints mitred sub dividing the frame tenonned revited in the assembled frame stiffened with end clips at corners angles etc., and fixed to walls, lintles, floor beams or cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, alluminium section pre treated for removal of any rust and coated with greesy or non adhesion of motor and other sticky	Sqm	2.70	4020.84	10856.27	0.00	4020.84	0.00	2.70	10856.27
26	**Providing and fixing in position collapsible steel shutters with single or double leaf with vertical** channel 20mmX10mmX2mm braced with flat iron diagonals 20mmx5mm size with top and bottom rails of T Iron sections of 40X40X6mm with 38mm dia steel pulleys complete with bolts and nuts, locking arrangements, stoppers, handles coat of red lead paint, cost of materials, labour, HOM of machinery complete as per specifications size of gate 2.4mX1.4m	Sqm	8.10	5626.80	45577.08	0.00	5626.80	0.00	8.10	45577.08
27	**Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling** incluidng rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing complete as per specification	Sqm	474.78	253.80	120499.16	0.00	253.80	0.00	474.78	120499.16

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28	**Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick** including rounding off corners wherever required smooth rendering: providing and removing scaffo including cost of materials labour curing complete as per specifications	Sqm	782.33	298.08	233196.93	0.00	298.08	0.00	782.33	233196.93
29	**Providing lime rendering for plastering** to wall and ceiling, including cost of materials, labour, c complete as per specifications	Sqm	1257.11	34.56	43445.72	0.00	34.56	0.00	1257.11	43445.72
30	**Providing 20mm thick cement plaster in single coat** with cement mortar 1:3, to stone masonr concrete surface including rounding off corners wherever required smooth rendering,: Providing removing scaffolding, including cost of materials, labour, curing complete as per specifications	Sqm	473.79	319.68	151461.19	0.00	319.68	0.00	473.79	151461.19
31	KSRB 15.8.1 Providing and fixing plaster mesh 100mm wide manufactured out of hot dipped galvan iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of w chipped for services, junction between RCC and brick walls including cost of materials, labour for fix complete as per specifications. (length of mesh only be measured for payment) KSRB 15.8.2- d plaster mesh 150mm wide	Rmt	250.00	38.88	9720.00	0.00	38.88	0.00	250.00	9720.00
32	Providing and laying non-asbestos high impact polypropylene reinforced corrugated cement roofing sh reinforced with a blend of strong factory made fibers as per 13:14871 and ISO:9933:1995 (E) roofi upto any pitch and fixing with polymer coated J or L hooks,bolts and nuts 8mm dia,G.I plain and bitumi washers or with self drilling fastener and EPDM washers etc. complete but excluding the cost of purlin rafters and trusses. Including cutting to size and shape of corrugated sheets wherever required.and cost materials, labour complete as per specifications. -do-with Other colours.	Sqm	32.40	628.56	20365.34	0.00	628.56	0.00	32.40	20365.34
33	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slab including laying POP on finished surface and cleaning the surface, including the cost of all materials an labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black HassanGreen Granite of width not less than 1200mm	Sqm	403.42	2958.12	1193364.77	0.00	2958.12	0.00	403.42	1193364.77
34	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement morta using white cement and colour pigments to match the colour of slab making through jointing with sealant making holes 25mmx12mm grooves in joints including cost of all	Sqm	0.00	3809.16	0.00	2.88	3809.16	10970.38	2.88	10970.38
35	Providing colour glazedzed tiles of all sizes 10mm thick for flooring, treads of steps and landing laid on a bed of 12mm thick , cement mortar 1:3 mix, flush pointing using white cement,with matching colour pigment, including cost of a materials, labour, curing, complete as per specifications(30 X45) (Page No. 108, Item No. 14.41.3)	Sqm	0.00	1377.00	0.00	16.20	1377.00	22307.40	16.20	22307.40
36	**Providing and fixing colour glazed tiles of size 300mmx450mm for walls** with borders of size 300x100mm, set in Cement Mortar 1:3 and pointed with white cement with matching colour pigment with necessary curing, cleaning including providing and removing scaffolding wherever necessary etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for equipment, etc., complete as per specification	Sqm	0.00	1308.96	0.00	63.84	1308.96	83564.01	63.84	83564.01

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37	**Providing and laying integral cement based water proofing treatment** including prepara... surface as required for treatment of roofs, balconies terraces etc., consisting of following applicat... applying and grouting a slurry coat of neat cement using 2.75 kg per sqm of cement admixed... proprietary water proofing compound confirming to IS 2645 over the RCC slab after cleaning the ... before treatment b)laying cement concrete using broken brick bats 25mm to 100mmsize with 5... cement mortar 1:5 admix with proprietary water proofing compound confirming IS 2645 over 2... thick layer of cement mortar 1:5 admix with proprietary water proofing compound to required slop... treating similarly the adjoining walls upto 300mm height including rounding off junctions of wall... slabs clafter two days of proper curing applying a second coat of cement slurry admix with prepriet... water proofing compound d) finishing the surface with 20mm joint less cement mortar of mix 1:4 ad... with prepriet ary water proofing compond wall finally finishing the surface with travel and neat cem... slurry and making of 300 x 300 mm square e the whole terrace so finished shall be flooded with wate... a minimum period of two weeks curing and final test including cost of materials labour complete a... specifications	Sqm	249.63	1086.48	271218.00	0.00	1086.48	0.00	249.63	271218.00
38	**Providing and applying painting two coats with plastic emulsion paint** of approved brand on ... surface to give an even approved shade after throughly brushing the surface free from mortar drops ... other foreign matter including preparing the surface even and sand paper smooth, cost of materi... labour, complete as per specifications **with primer.**	Sqm	0.00	97.20	0.00	1257.11	97.20	122191.09	1257.11	122191.09
39	**Extra for providing and applying every subsequent coat of painting with plastic emulsion paint** approved brand and shadefor Item No.15-15.1 and 15.53 cost of materials, labour complete as p... specifications	Sqm	0.00	39.96	0.00	1257.11	39.96	50234.12	1257.11	50234.12
40	**Providing and finishing external walls in two coats with waterproof cement paint of** approved bra... and shade to give an even shade after throughly brooming the surface to remove all dirt and loo... powdered materials, free from mortar drops and other foreign matter cost of materials, labour, comple... as per specifications	Sqm	0.00	110.16	0.00	473.79	110.16	52192.71	473.79	52192.71
41	**Extra for providing and applying every subsequent coat of water proofing cement paint** of approve... brand and shade for item No.15-16.1 cost of materials,labour,complete as per specifications	Sqm	0.00	36.72	0.00	473.79	36.72	17397.57	473.79	17397.57
42	**Applying priming coat over new wood surface** and/ or wood based surface after preparing the surfac... after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood fille... for varnish including cost of materials, labour, complete as per specificatios	Sqm	0.00	54.00	0.00	55.62	54.00	3003.48	55.62	3003.48
43	**Providing and applying painting two coats (excluding priming coat)** on new wood surface and/ o... wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and... foreign matter, sand papering including cost of materials, labour, complete as per specifications	Sqm	0.00	104.76	0.00	55.62	104.76	5826.75	55.62	5826.7
44	Providing and fixing on wall surface 4.0kg?Sq.cm **H.D.P.E. rain down water pipes 90mm outer dia... approved** make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, ... wall plugs, screws, including cost of materials, labour, complete as per specification	Rmt	0.00	414.46	0.00	48.00	414.46	19894.08	48.00	19894.(
45	Providing and fixing **chorinated poly venyl chloride (CPVC) pipes** conforming to IS15778, having ... thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings ... including fixing the pipe with clamp at 1.00 mtr spacing. this includes jointing of pipes and fittings with ... one step CPVC solvent cement and the cost of cutting chases & making good the same including testing ... of joints complete 25mm nominal OD Pipes	Rmt	150.00	270.00	40500.00	0.00	270.00	0.00	150.00	40500

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46	Providing and fixing chorinated poly vinyl chloride (CPVC) pipes conforming to IS:15778, ... thermal stability for hot and cold water supply including all CPVC plain and brass threaded ... including fixing the pipe with clamp at 1.00 mtr spacing. this includes jointing of pipes and fittings ... one step CPVC solvent cement and the cost of cutting chases & making good the same including ... of joints complete. 32mm nominal OD Pipes	Rmt	100.00	334.80	33480.00	0.00	334.80	0.00	100.00	33480.00
47	KSRB 13-8.1 : Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes ... kgs/sq.cm working pressure 20mm outside diameter with special flange, compression type fittings, ... eclips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM ... equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 /13.9 for inte ... water supply connection	Rmt	45.00	460.08	20703.60	0.00	460.08	0.00	45.00	20703.60
48	Providing and fixing white vitreous **china clay, flat back, lipped front urinal basin of 430x260x350m** ... with 5 litre PVC automatic flushing cistren, C.I./M.S bracket, standard flush pipe and c.P. brass spread ... with brass union and G.I.Clamp Complete painting of fitting and brackets, cutting and making good ... wall and floor wherever required , including cost of materials, labour complete as per specification (Pa ... No. 80, item No. 12.7)	Nos	0.00	3317.76	0.00	4.00	3317.76	13271.04	4.00	13271.04
49	KSRB 11-5 : Providing and fixing white vitreous china clay, **water closet European type (Pedes** ... **type, P-trap) with black solid plastic seat** and lid, C.P brass hinges, rubber buffers. 10 litre low lev ... P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flu ... bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling ... approved design, painting of fittings and brackets, cutting and making good the wall and floor wherev ... required, including cost of materials, labour complete as per specifications. Specification No.	Nos	0.00	5191.56	0.00	4.00	5191.56	20766.24	4.00	20766.24
50	Providing and fixing C.I. **Nahani trap** of approved make conforming to ISI specificatins and construct ... of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixture an ... conveyance of materials to work spot) 10cms to 7.5cms	Nos	8.00	307.80	2462.40	0.00	307.80	0.00	8.00	2462.40
51	Providing and fixing 7.5cms to 15cms dia NP grating 100mm dia (page no 90 , Item No. 12.111)	Nos	0.00	172.80	0.00	8.00	172.80	1382.40	8.00	1382.40
52	**providing and fixing in position brass gate valve** with C.I. Wheel of approved quality (Screwed end ... 32mm nominal bore including cost of all materials labour and HOM of Equipments with all lea ... complete as per specificatins	Nos	0.00	1050.84	0.00	6.00	1050.84	6305.04	6.00	6305.04
53	Providing and laying in position to required level or slope 230mm internal diameter salt glazed stoneware ... pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and ... joints,including cost of materials, labour charges Complete as per specification and direction of Engineer ... in-charge of the work.	Rmt	0.00	564.84	0.00	28.00	564.84	15815.52	28.00	15815.52

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	Constructing brick masonry inspection chamber 455x610 mm, and 450 mm depth, (clear dimensions) for single pipeline, using table moulded non-modular bricks of class designation 35 in CM cement mortar 1:5 in C.C cover with frame (light duty 455x610 mm internal dimensions, total weight of frame 15 kg) R CC cover with frame not less than 38 kg (weight of cover 23 kg and

| | | |

105	Supply of LED Square Recessed Down lighter with 18W System ... coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with ... heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. ... shall has inbuilt electrical protection like over/under voltage, short circuit, overload, open circ... inlet wiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line volta... 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1... Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens. 5 years War... against any manufacturing defect working under standard electrical condition.	No	18.00	4945.00	89010.00	0.00	4945.00	0.00	18.00	89010.00
106	LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Li... 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/... Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing de... working under standard electrical condition LED light fighting 4' - 28 watts	Nos	4.00	1774.00	7096.00	0.00	1774.00	0.00	4.00	7096.00
107	LED Post Top Lantern GARDEN.Supply of LED Post Top Lantern with system ... wattage, housing... frame shall be of powder coated, die cast aluminum, diffuser with high density polyethylene IP65 EP... Gasket. Life 50000 Hrs. @ L70 shall be conforming to IS 10322/Part 5/ Section 5 @ 230V. 5 ye... Warranty against any manufacturing defect working under standard electrical condition L... Post Top Lantern with 24 watts	Nos	0.00	15930.00	0.00	4.00	15930.00	63720.00	4.00	63720.00
108	LED Down light Supply of recess mounted rolling type LED Down light with 4/6W GU 10 LED La... Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector w... suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained ... circular wire spring. 5 years Warranty against any manufacturing defect working under standard electri... condition. LED square or round down light 5x1 watts	Nos	0.00	1428.00	0.00	10.00	1428.00	14280.00	10.00	14280.00
109	Supplying of LED Floodlight with .....W System Power consumption pressure die cast alumin... housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0... should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K h... @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensur... reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & L... 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure eas... of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ..... System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w wi... nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI ... any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housin... with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body par... Warranty of 5 Years against any manufacturing defect working under standard electrical conditions a... mentioned above should be given by LED manufacturer. LED Floodlight 90W	Nos	0.00	14646.00	0.00	4.00	14646.00	58584.00	4.00	58584.00
110	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed... galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip... indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 &... confirming to GTP of GROUP-A. 3.5 core 25 sqmm	Mtrs	120.00	165.60	19872.00	0.00	165.60	0.00	120.00	19872.00

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	Providing Rcc Pole pedtal of Size 0.5x0.5x1.5 Mtrs Including digging of pit, for erect, anchoring [illegible] mus ,templates ,Centring 1:4:8use concrete,1:2:4pedestal concrete and etc coplete as per the data [illegible] enclosed	Nos	0.00	4199.00	0.00	2.00	4199.00	8398.00	2.00	8398.00
125	Supplying of....TR split Air conditioners suitable for operation on A/C supply single phase 50 Hz [illegible] Volts with hermetically sealed compressor with air cooled condenser, motor capacitor and start [illegible] capacitors, relay and over load protector internal unit, with one indoor and one outdoor unit. [illegible] condenser unit will be placed outside the room on the terrace to avoid noise including standard length [illegible] suitable size copper tubing covered with insulation tube.(High wall chorded/cordless) suitable capacity [illegible] core sheathed/ PVC copper cable and a battery operated wireless remote unit. 5star 2 ton capacity	Nos	0.00	67060.00	0.00	2.00	67060.00	134120.00	2.00	134120.00
126	Supplying and installation of insulated refrigerant copper tubing of 5/8`` and 3/8`` with polythene foa [illegible] insulation 3 core 80 stand copper wiring between indoor and outdoor unit. Leak testing oil and [illegible] charging for additional piping length of tube-Split	Mtrs	0.00	1193.00	0.00	20.00	1193.00	23860.00	20.00	23860.00
127	Supplying, erecting, testing and commissioning of voltage stabilizer suitable for 170 to 270 v in put ar [illegible] load variation from no load to full load, with over load protection, spike suppression, operating at 00 C [illegible] 400 C. Range etc., complete.4KVA Capacity	Nos	0.00	4317.00	0.00	2.00	4317.00	8634.00	2.00	8634.00
128	Bescom Charge	L/S	0.00	7348.00	0.00	1.00	7348.00	7348.00	1.00	7348.00
				Total Rs	11710266.86		Total Rs	1104073.22		12814340.08
				KRIDL Charges 4.5%	526962.01		KRIDL Charges 4.5%	49683.30		576645.30
				Total Rs	12237228.87		Total Rs	1153756.52		13390985.38
				GST Charges 12%	1468467.46		GST Charges 12%	138450.78		1606918.25
				Grand Total	13705696.33		Grand Total	1292207.30		14997903.63

Certificate

1 Certified that the contractor has work done satisfactorily.
2 The contractor has removed the debries from work site.
3 There is no any dept. materials issued to contractor

Assistant Engineer
Ward No 12, Shettyhalli
BBMP, Bangalore

Assistant Executive Engineer
Shettyhalli Sub Division
BBMP, Bangalore

1104073 —
44163 —
1148236 —
137788 —
1286024

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